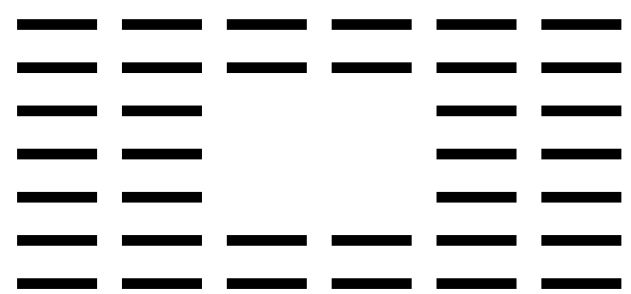


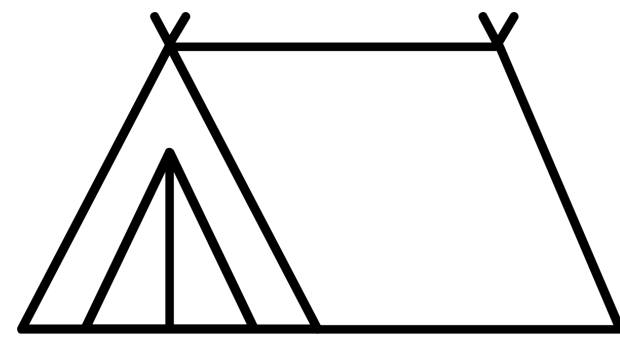
icön

Air Force // Tyndall AFB

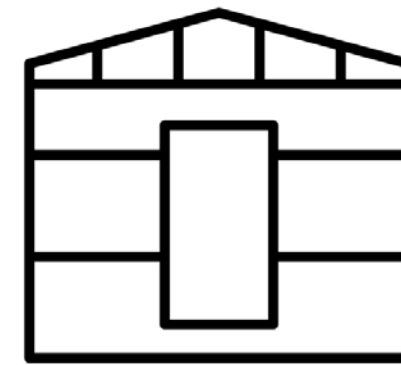
Military **construction** has had little innovation in the last 100 years.



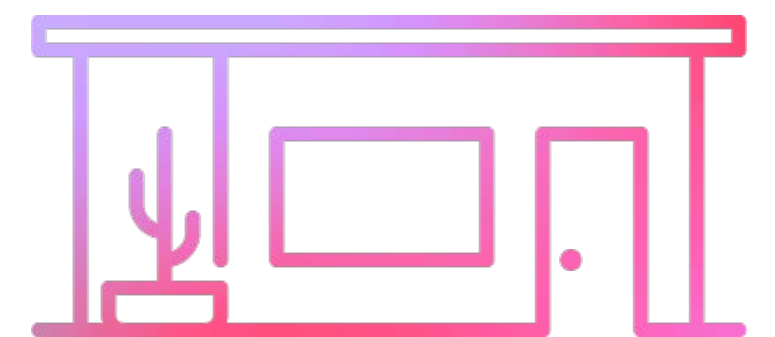
1900s
Bunkers



1940s
Tents



1970s
Plywood



The Future
3D Printing

There are a number of key use cases across the military.

Combat



Disaster



Training



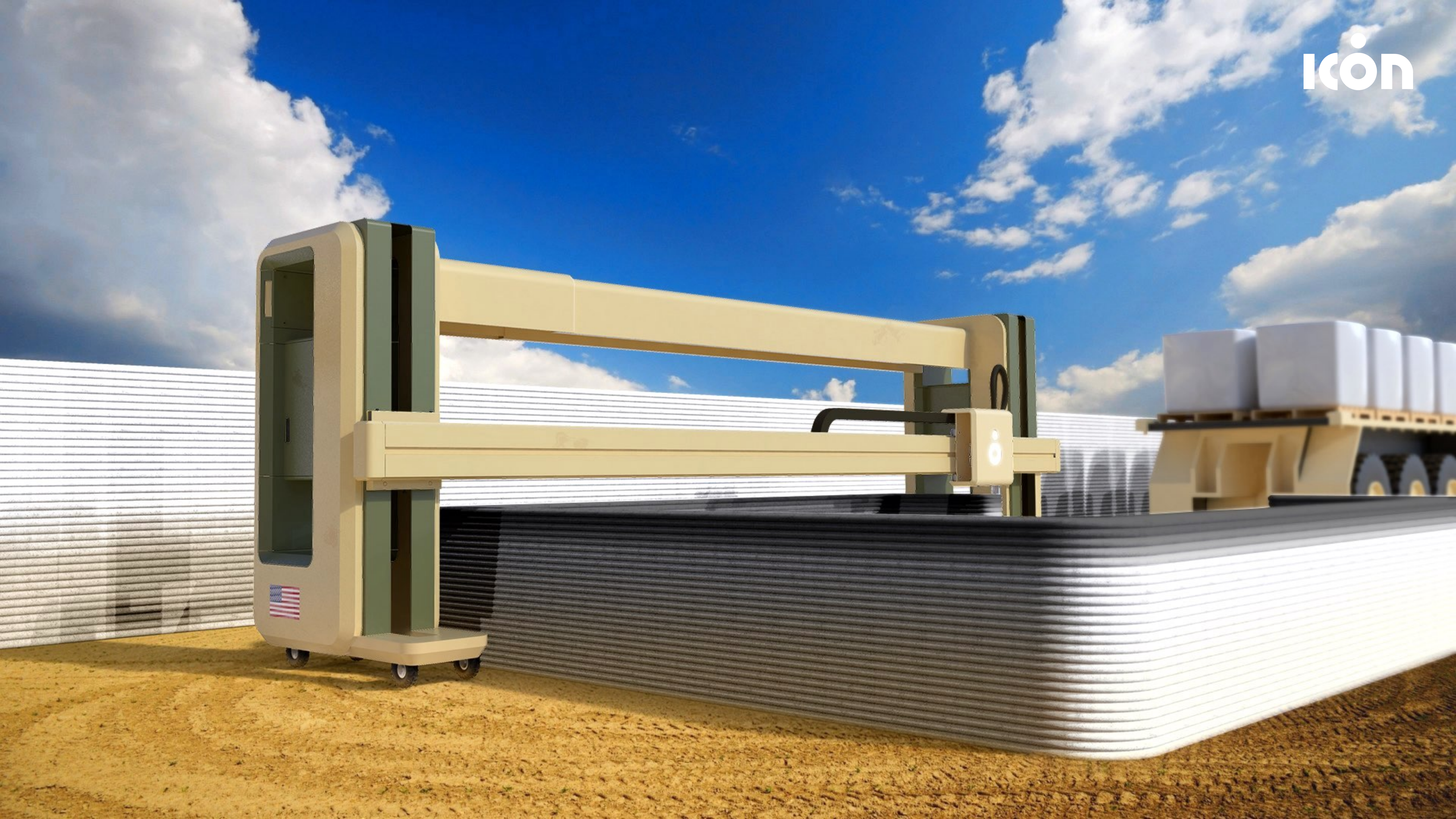
Humanitarian



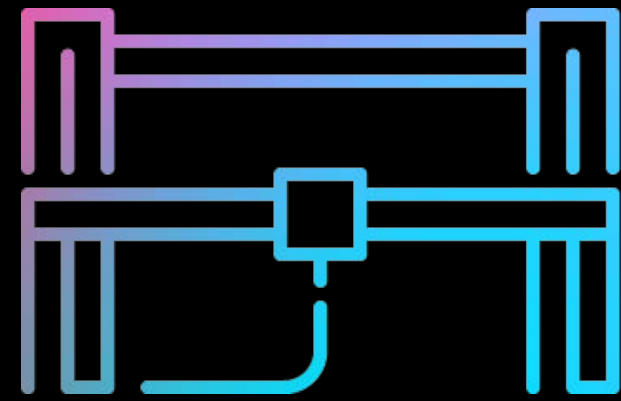
FORWARD OPERATING BASE



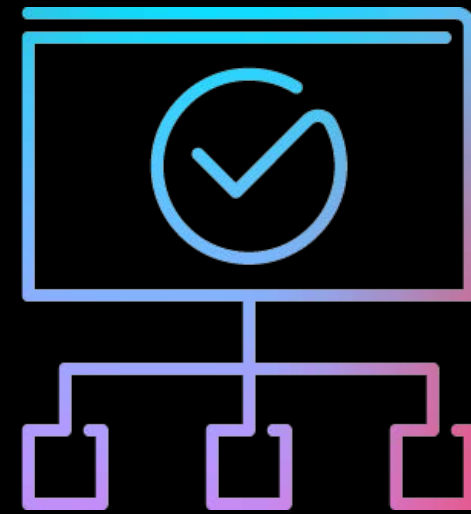
icon



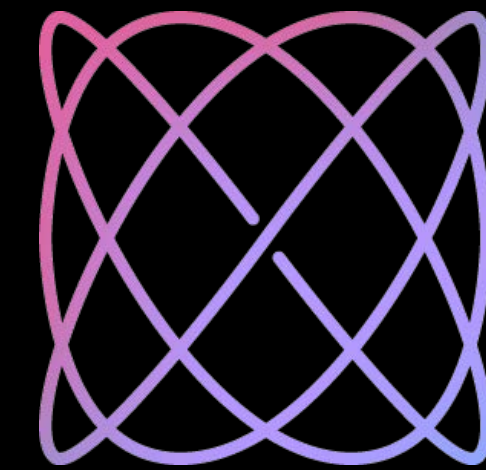
Construction scale 3D printing



Robotics

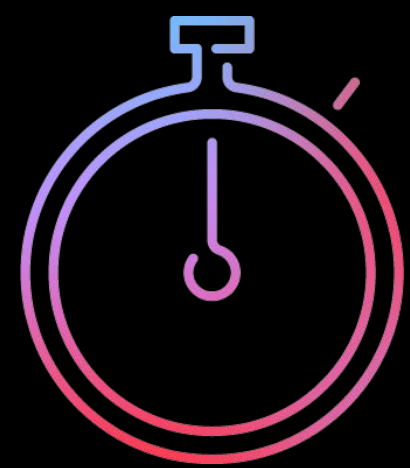


Software

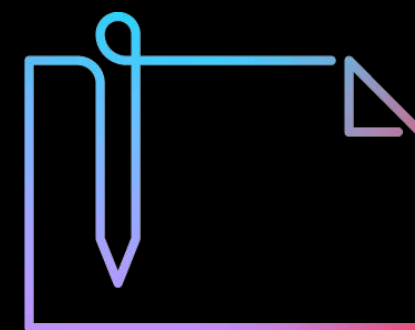


Materials

The promise of 3D printing.



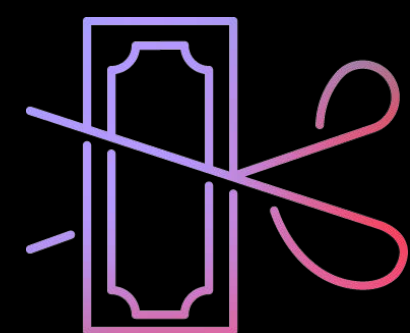
SPEED



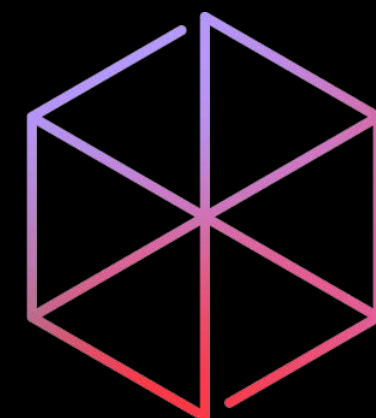
CUSTOMIZABLE



SURVIVABILITY



LOW COST



INDUSTRIAL SCALE



ZERO WASTE

Prototype structure

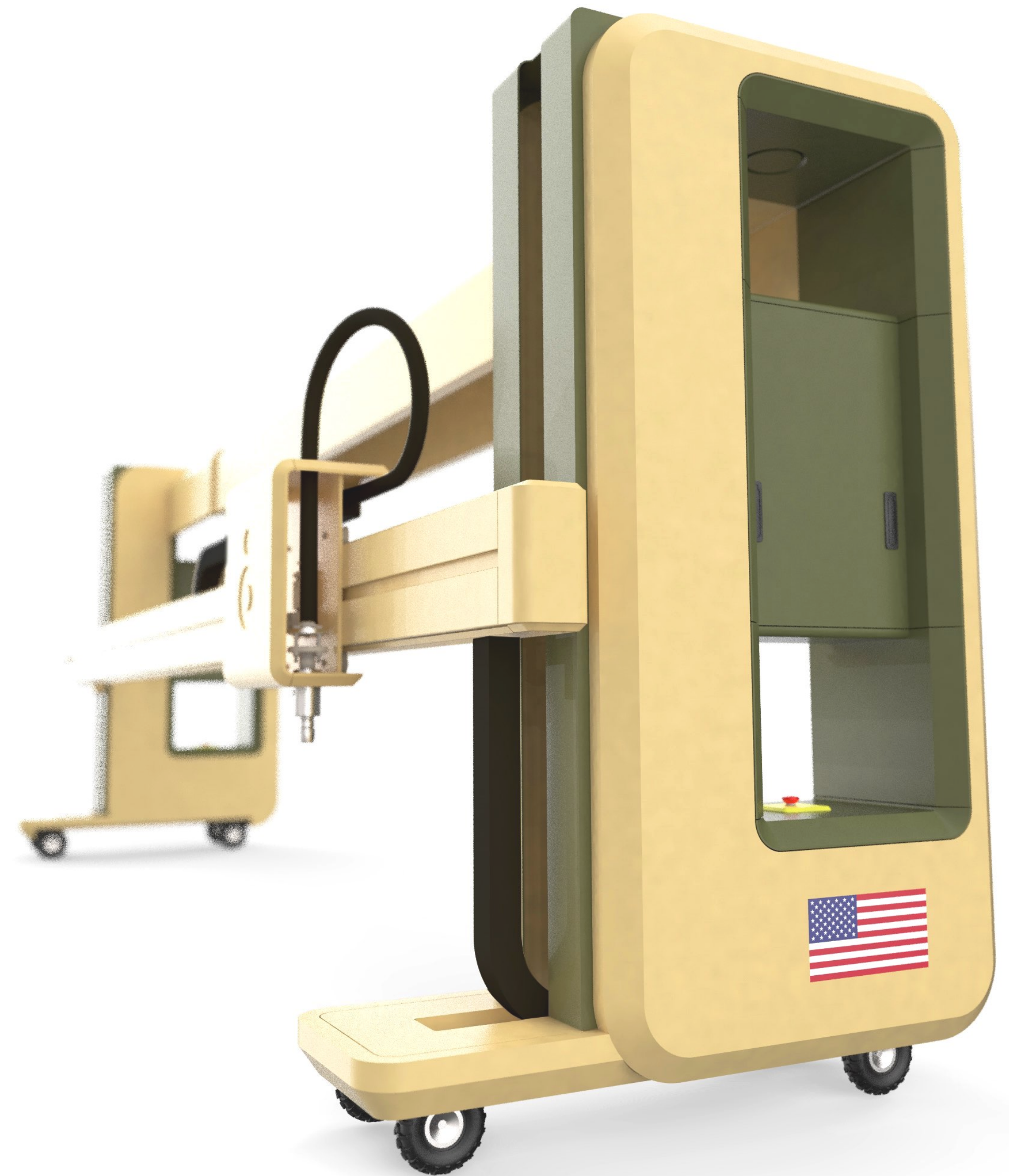


Prototype printer



VULCAN II

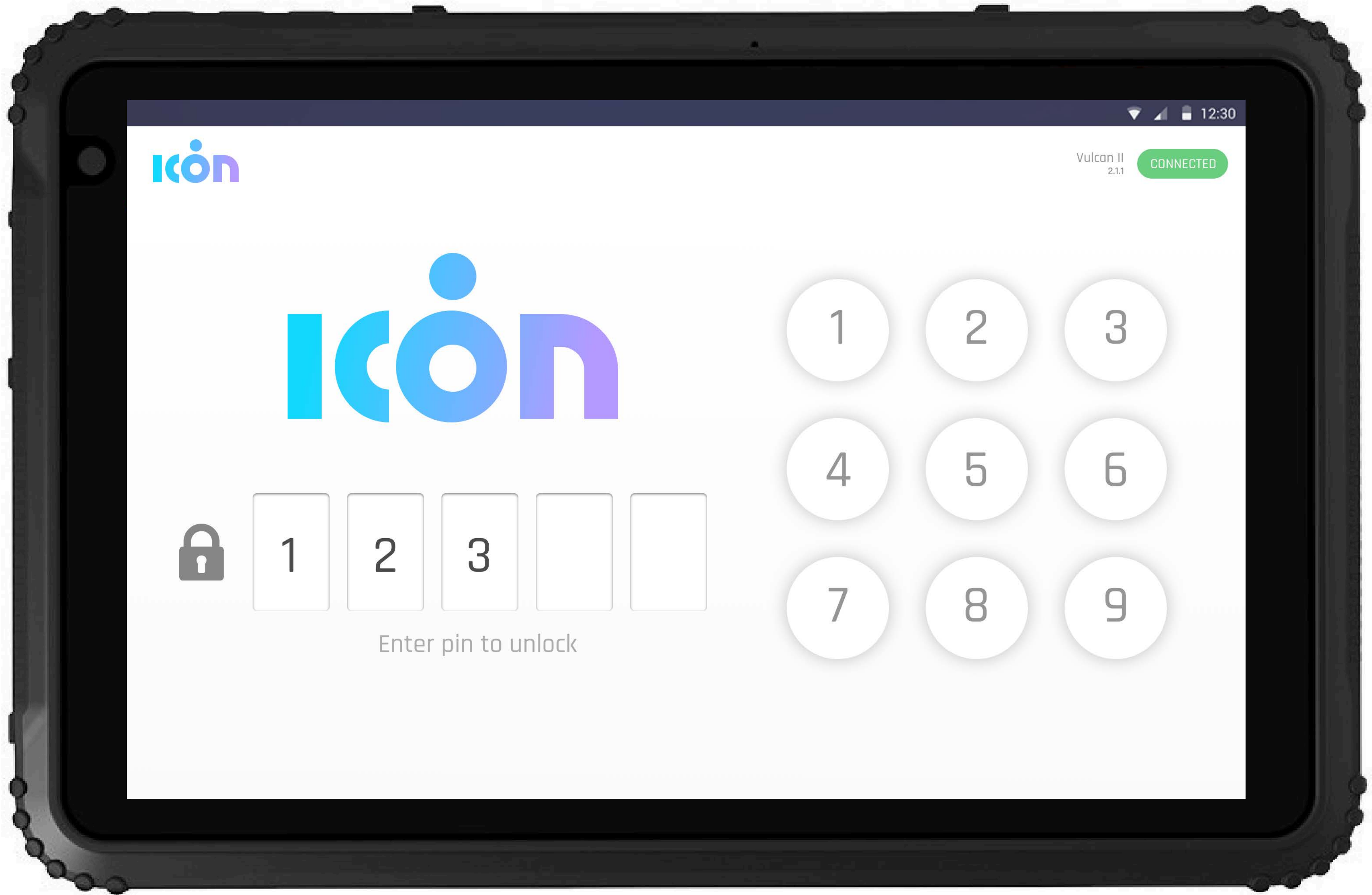
The Vulcan II is
**2x as large and
nearly 3x faster**
than our
prototype
printer.

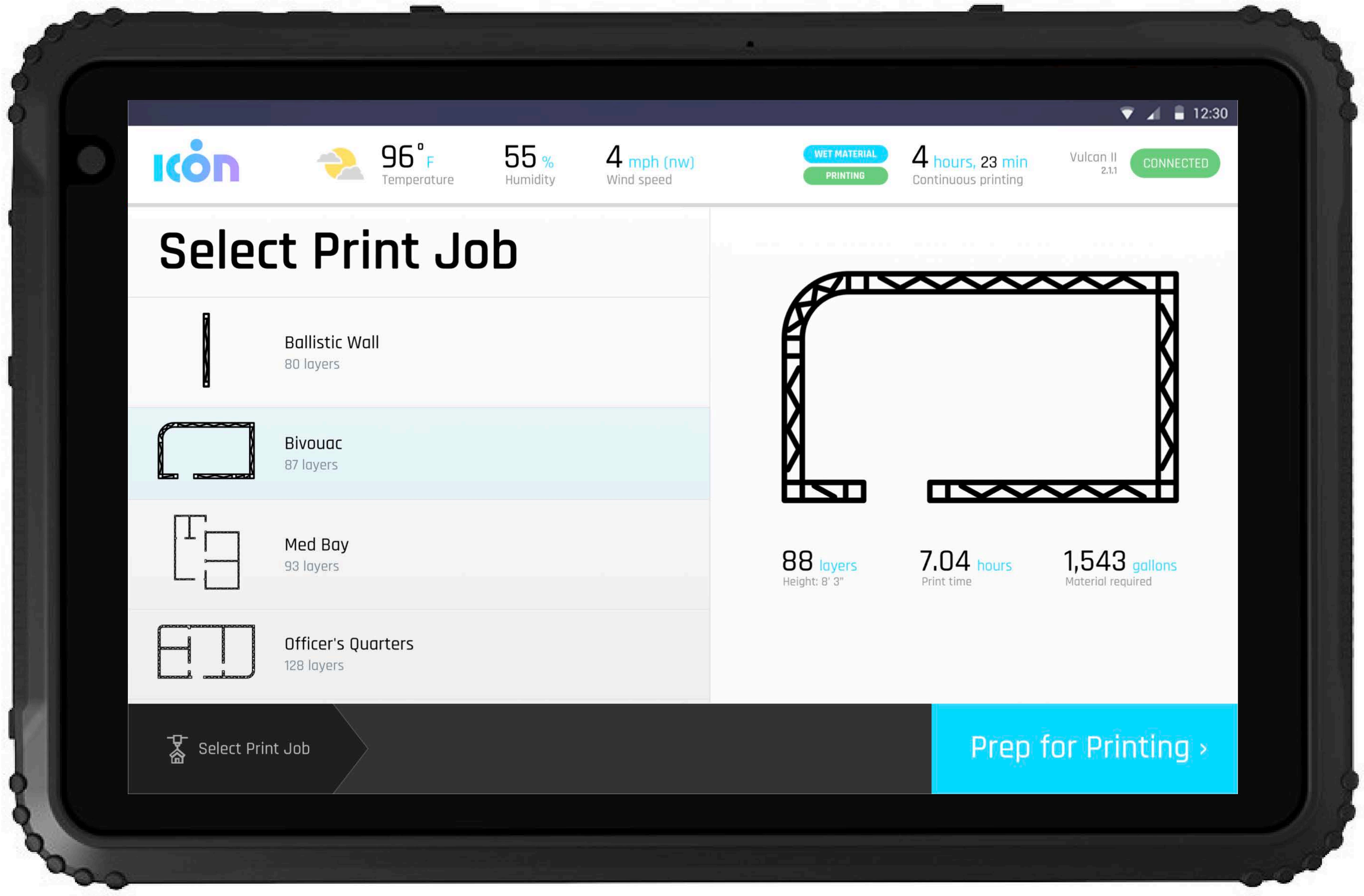


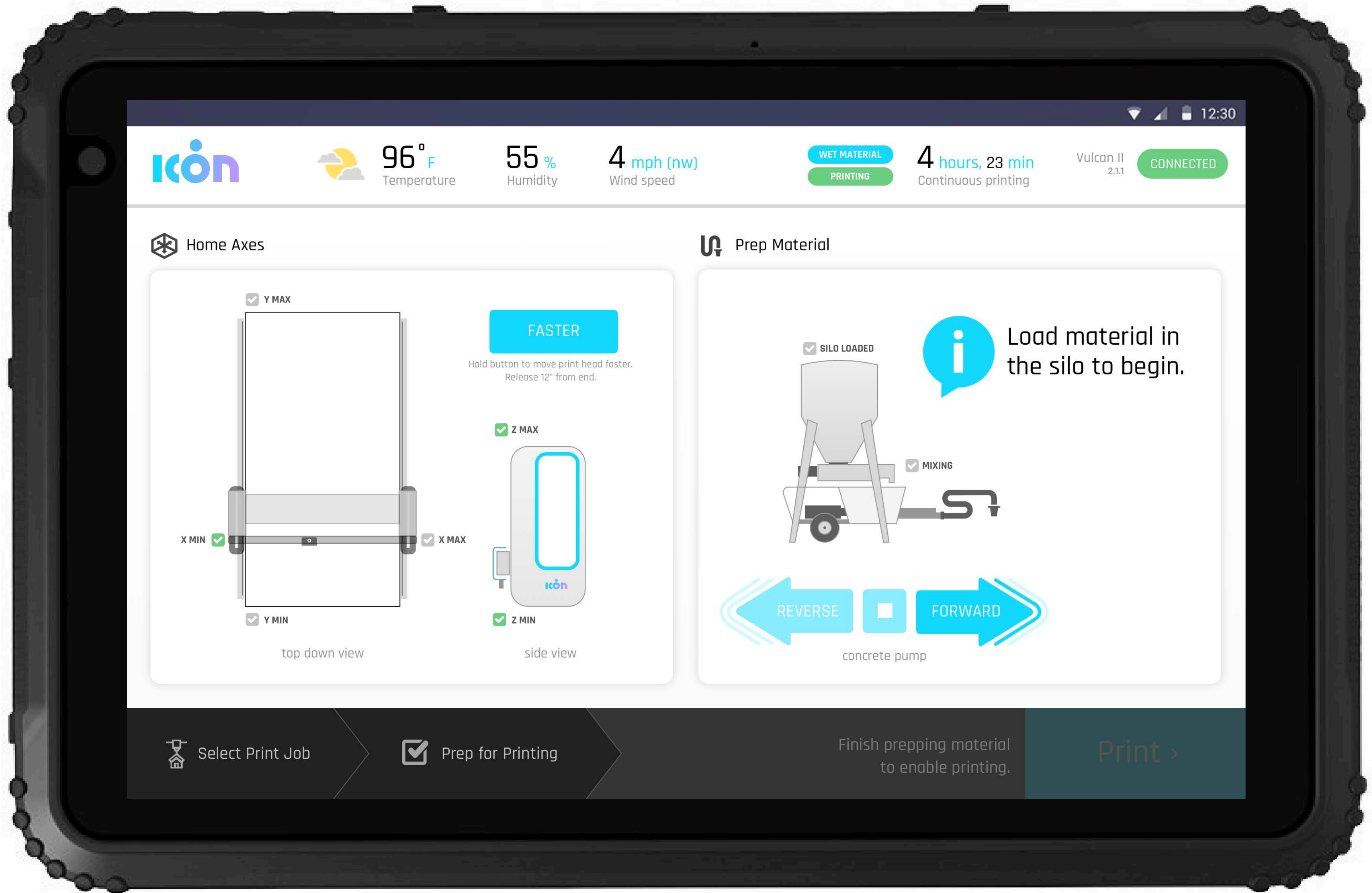
The state of construction scale additive manufacturing:

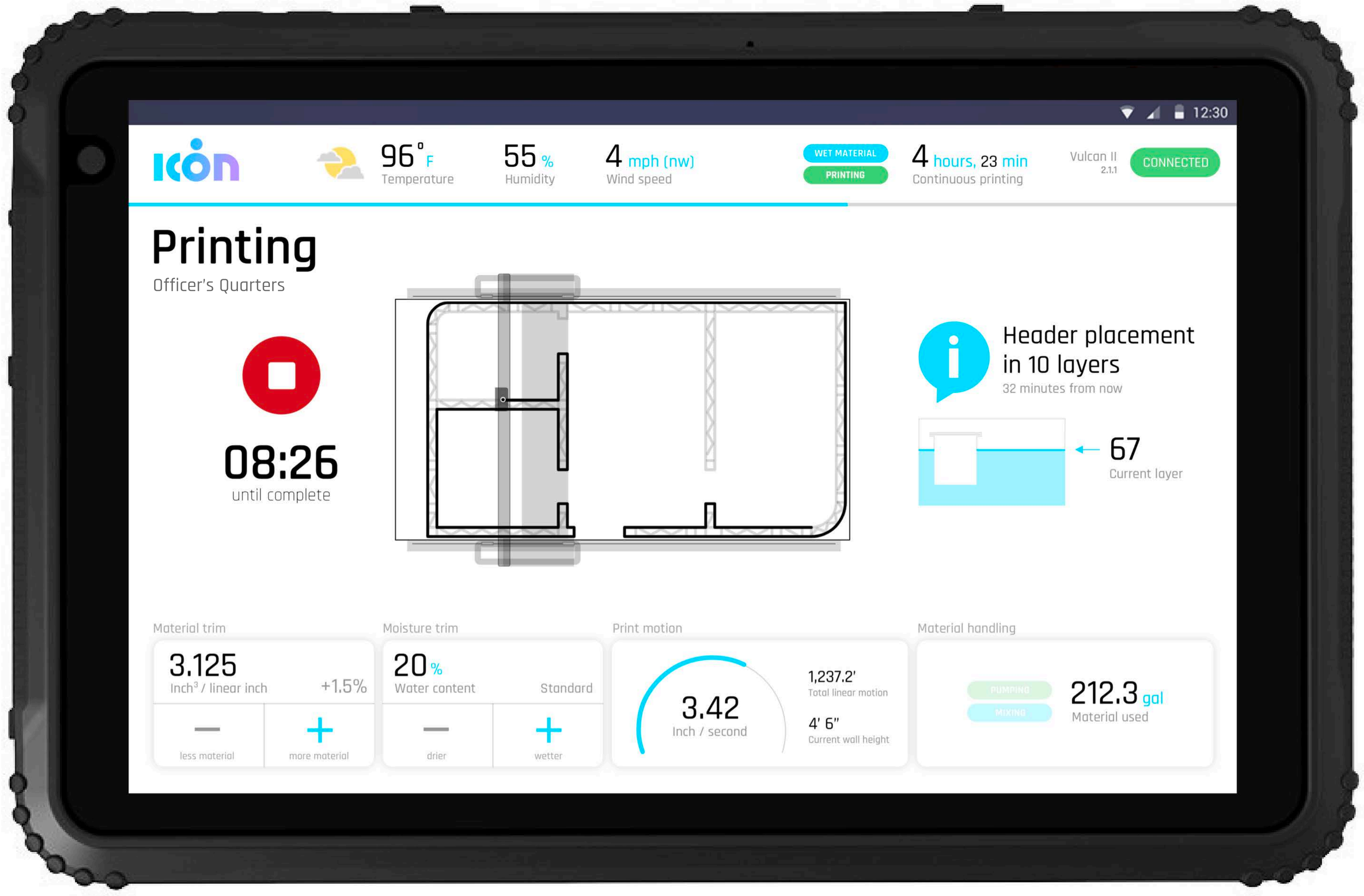
1. Capable of printing up to 2,500 sq/ft today
2. Automating the mixing and pumping of concrete is critical
3. Software is often overlooked
4. There is 1 permitted 3D printed house in the U.S. It's the early days.

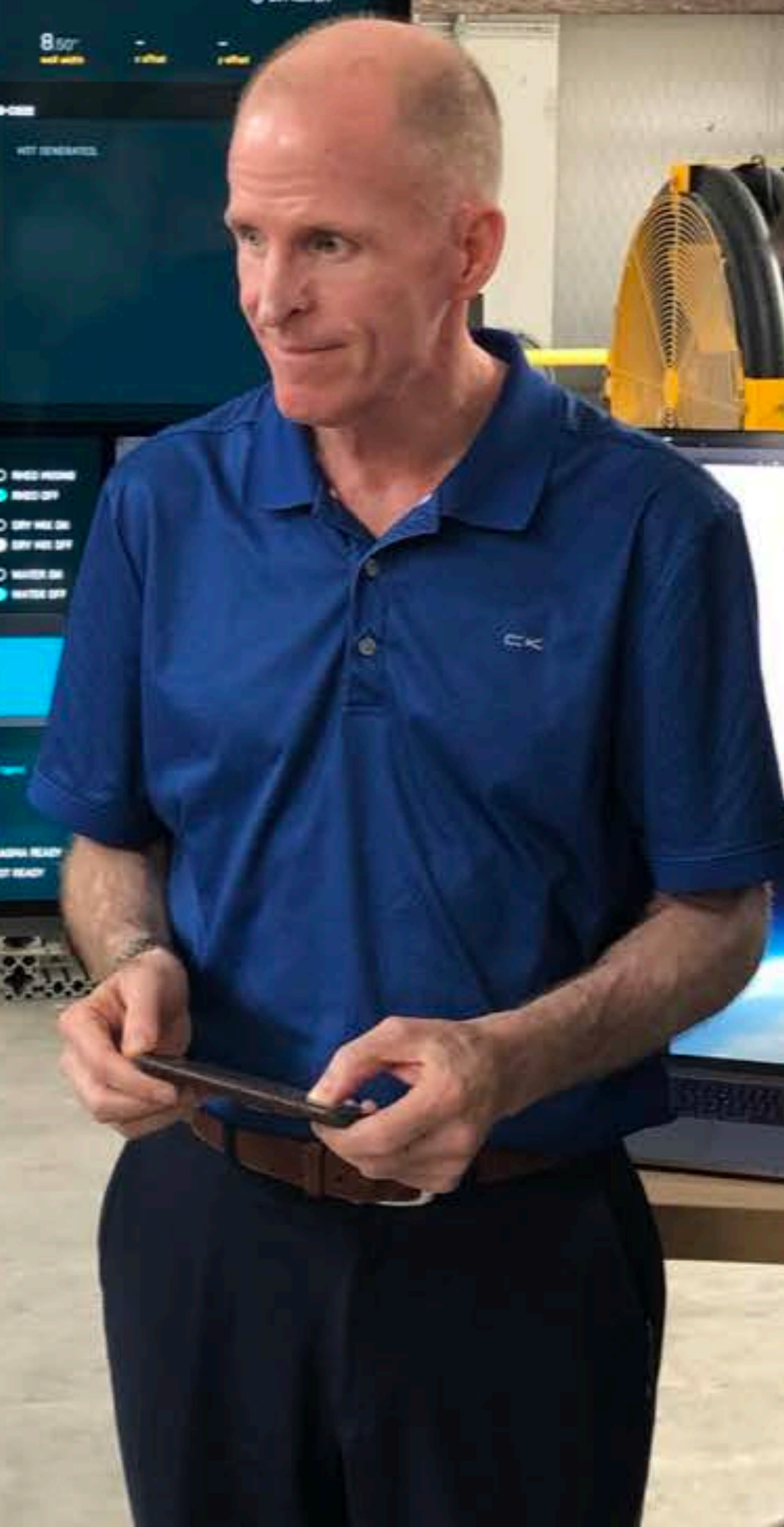
Software interface











Transportation

C17 CARGO BAY

icón



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C17 cargo drop

icon



CONTAINER SHIPPING BY GROUND



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Flatbed shipping



Rapid deployment

Survivability

Affordability

Detectability

Concrete Innovation

CONCRETE INNOVATION

1. EMP Resistant



CONCRETE INNOVATION

2. Blast Absorbing



CONCRETE INNOVATION

3. Ultra High Strength



CONCRETE INNOVATION

4. Floating Concrete



CONCRETE INNOVATION

5. Camouflaged Concrete



icön

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Evan Loomis // evan@iconbuild.com // 703.517.932